AWS DOCUMENTATION (DATABASE MIGRATION)

Here is our database

```
You can turn off this feature to get a quicker startup with -A

Database changed
MariaDB [studentapp]> select * from students;
+------------+--------------+--------------+-------------+--------------+--------
| student_id | student_name | student_addr | student_age | student_qual | studen
+------------+--------------+--------------+-------------+--------------+--------
|          1 | Apurva       | shirur       | 20          | MCS          | 89
|          2 | tanu         | pune         | 12          | 7            | 98
|          3 | raavu        | nighoj       | 4           | nur          | 99
|          4 | shiv         | shirur       | 2           | ap           | 99
+------------+--------------+--------------+-------------+--------------+--------
4 rows in set (0.001 sec)
```

Step I : give backup of your database using mysqldump -h ENDPOINT -u username password db_name > backupfile.name

```
[root@ip-172-31-94-6 ec2-user]# mysqldump -h database-1.crcayoqmu6ks.us-east-1.r
[root@ip-172-31-94-6 ec2-user]# aws configure
```

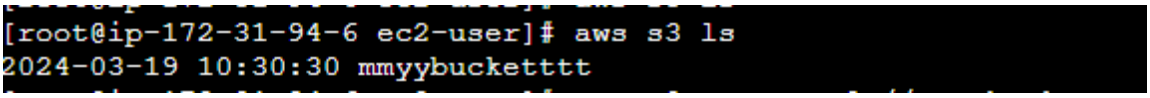
Step II : Then Configure the aws CLI using “aws configure” command.

Step III : and give the access key and secret access key IAM of user .

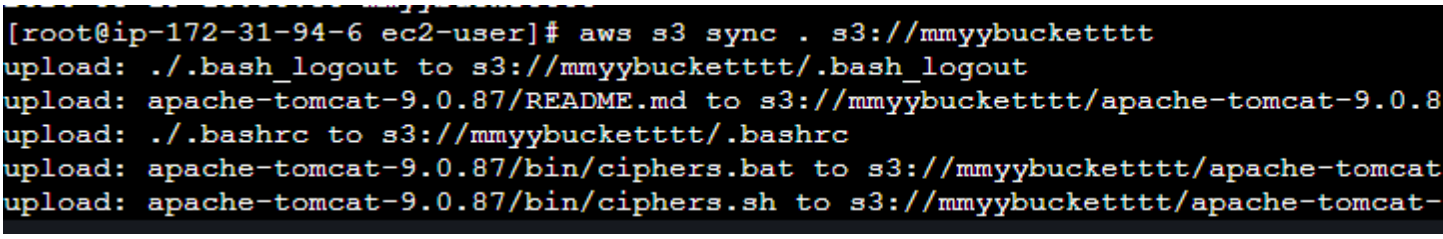
```
oot@ip-172-31-94-6 ec2-user]# aws configure
S Access Key ID [None]: AKIA3FLD22NAUDKW6QEL
S Secret Access Key [None]: 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
fault region name [None]:
fault output format [None]:
```

Step IV : create the bucket and give public access.

Step III : then,to check the list of buckets present in our s3 use command “aws s3 ls”.



Step IV : for syncing use “ aws s3 sync . s3://bucketname



Step V : See here,we are successfully transfer our data in bucket, it is the downloaded data of rds_backup.bk file.

```
-- MariaDB dump 10.19  Distrib 10.5.23-MariaDB, for Linux (x86_64)
--
-- Host: database-1.crcayoqmu6ks.us-east-1.rds.amazonaws.com    Database: studentapp
-- ------------------------------------------------------
-- Server version       10.11.6-MariaDB-log

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

--
-- Table structure for table `students`
--

DROP TABLE IF EXISTS `students`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `students` (
  `student_id` int(11) NOT NULL AUTO_INCREMENT,
  `student_name` varchar(100) NOT NULL,
  `student_addr` varchar(100) NOT NULL,
  `student_age` varchar(3) NOT NULL,
  `student_qual` varchar(20) NOT NULL,
  `student_percent` varchar(10) NOT NULL,
  `student_year_passed` varchar(10) NOT NULL,
  PRIMARY KEY (`student_id`)
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=latin1 COLLATE=latin1_swedish_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `students`
--

LOCK TABLES `students` WRITE;
/*!40000 ALTER TABLE `students` DISABLE KEYS */;
INSERT INTO `students` VALUES (1,'Apurva','shirur','20','MCS','89','2025'),(2,'tanu','pune','12','7'
/*!40000 ALTER TABLE `students` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2024-03-19 10:21:53
```